

ABSTRACT OF THE INVENTION

The synthesis of deuterated analogues of rapamycin is disclosed together with a method for use for inducing
5 immunosuppression and in the treatment of transplantation rejection, graft vs host disease, autoimmune diseases, diseases of inflammation leukemia/lymphoma, solid tumors, fungal infections, hyperproliferative vascular disorders. Also described is a method for the synthesis of water soluble
10 deuterated rapamycin compounds and their use as described above.

15

20

25

30